```
1     CTTGAACGCCTGACCTCGTATCCACCCGCCTCAGCCTCCCAAAGTGCTGGGATTACAGGCATGAGCCACCACGCCCAGCCCATAATTTATTGATTTTT
99    TAAAATTTGTCCAGCCTTCTATTACCACGTCGAATCCATTAGCTACAGCCATCCCATGAGAAGCTGAGTGGATTCAGCCCCACCTCCTGCTCACAGACC
198   CTGTCCGAGCACCTCATTTGTCCCAACAGCATTACTGCAGGACCCCCAGGACGTTGGACTGCCAGCTCCCTGGGTCTCCTCCTCTCTGGGGCAGATCCT
297   CAGTCCTCCCTTGACTTCACGACTGTGGCCAGATCATGTGTGGACTGTCCCTCTCTTTGGGTCTCCAGAGCGCTTGCATCAAACACCCCTAACTCAGAA
396   GTGTGCAGCCACACTGGGACTCAGAACCCAACAACAGGGACAGAAGACTCACGCCCTTGGGGTGCCCGGTCTCGTGGCATCAGGCATGACTTCCAGCTC
495   CTGCGCCTTCCCCAGCAACTGCTGACTGGGGACCCAGACCGGGAGCTGAGCGACGGGCCTGGCGAGCGAAGCTCGGGGTCTCACTCAGGCACCAGCCCC
594   TCCTTGCCCCAGGCTTGAGTGACTCACAGCCCTATTCAGGCAGGAGCTGCTCTTCTGGGGTATCGCGATCCACTTAAGGATGAGGCAGACTTGGTGACA
693   AGCTGGTCTGAGCAGCGCTTCCAGAGCCAGAACTGAGCCCAGTGAGAGCGCACCCTGGAGCAGCCTGGATTCCTGGGGGTGTCCCCGGCAGCCACACACA
792   GCCATGCACTACCCAACTGCACTCCTCTTCCTCATCCTGGCCAATGGGGCCCAGGCCTTTCGCATCTGCGCCTTCAATGCCCAGCGGCTGACACTGGCC
          M  H  Y  P  T  A  L  L  F  L  I  L  A  N  G  A  Q  A  F  R  I  C  A  F  N  A  Q  R  L  T  L  A
891   AAGGTGGCCAGGGAGCAGGTGATGGACACCTTAGTTCGGATACTGGCTCGCTGTGACATCATGGTGCTGCAGGAGGTGGTAGACTCTTCCGGCAGCGCC
          K  V  A  R  E  Q  V  M  D  T  L  V  R  I  L  A  R  C  D  I  M  V  L  Q  E  V  V  D  S  S  G  S  A
990   ATCCCCCTCCTGCTTCGAGAACTCAATCGATTTGATGGCTCTGGGCCCTACAGCACCCTGAGCAGCCCCCAGCTGGGGCGCAGCACCTACATGGAGACG
          I  P  L  L  L  R  E  L  N  R  F  D  G  S  G  P  Y  S  T  L  S  S  P  Q  L  G  R  S  T  Y  M  E  T
1089  TATGTGTACTTCTATCGGTCACACAAAACACAGGTCCTGAGTTCCTACGTGTACAACGATGAGGATGACGTCTTTGCCCGGGAGCCATTTGTGGCCCAG
          Y  V  Y  F  Y  R  S  H  K  T  Q  V  L  S  S  Y  V  Y  N  D  E  D  D  V  F  A  R  E  P  F  V  A  Q
1188  TTCTCTTTGCCCAGCAATGTCCTTCCCAGCCTGGTGTTGGTCCCGCTGCACACCACTCCTAAGGCCGTAGAGAAGGAGCTGAACGCCCTCTACGATGTG
          F  S  L  P  S  N  V  L  P  S  L  V  L  V  P  L  H  T  T  P  K  A  V  E  K  E  L  N  A  L  Y  D  V
1287  TTTCTGGAGGTCTCCCAGCACTGGCAGAGCAAGGACGTGATCCTGCTTGGGGACTTCAATGCTGACTGCGCTTCACTGACCAAAAAGCGCCTGGACAAG
          F  L  E  V  S  Q  H  W  Q  S  K  D  V  I  L  L  G  D  F  N  A  D  C  A  S  L  T  K  K  R  L  D  K
1386  CTGGAGCTGCGGACTGAGCCAGGCTTCCACTGGGTGATTGCCGATGGGGAGGACACCACAGTGCGGGCCAGCACCCACTGCACCTATGACCGCGTCGTG
          L  E  L  R  T  E  P  G  F  H  W  V  I  A  D  G  E  D  T  T  V  R  A  S  T  H  C  T  Y  D  R  V  V
1485  CTGCACGGGGAGCGCTGCCGGAGTCTGCTGCACACTGCGGCTGCCTTTGACTTCCCCACGAGCTTCCAGCTCACCGAGGAGGAGGCCCTCAACATCAGT
          L  H  G  E  R  C  R  S  L  L  H  T  A  A  A  F  D  F  P  T  S  F  Q  L  T  E  E  E  A  L  N  I  S
1584  GACCACTACCCCGTGGAGGTGGAGCTGAAGCTGAGCCAGGCGCACAGCGTCCAGCCTCTCAGCCTCACTGTTCTGTTGCTGCTATCACTCCTGTCCCCT
          D  H  Y  P  V  E  V  E  L  K  L  S  Q  A  H  S  V  Q  P  L  S  L  T  V  L  L  L  L  S  L  L  S  P
1683  CAGCTGTGCCCTGCTGCCTGAGCGTCCCCCTACCCCCCCAGGGCCTGCTGCCTTTTGGGACTTAAACCCCAGCCTCCCCCGTCCATCCAGCCCTGGGGC
          Q  L  C  P  A  A  *
1782  TGGGGGGCTTCAACTATAGTTGCCCTGTGACTGTAGTCCACCCCTGCCTGCCTTGTTTGATTTGGCTCTTGTTCTTTGGTTGGGCTTGTGCCTAGATTA
1881  GGAGAGGAAGCCAGGGGCCCTGCACTCATGCCACCTGCCAGGTAGTGTAGTATCAGGAGTGGAGACAAAGTGGGCTCTGGGTTGGGGTAGGGGAAGGGA
1980  GGGTTCAGAAAGAGGAATGAAGATGTTGTATGACAAGAAGGAAAGTTACTGAGAACAAAAACCCAGATTGGTGAGATAGGACACTTGTGCAGCAGATAT
2079  GCCAATGGGCCATGTTTATTGTGGATGGGTAAGAATCACCAGGAAACCATTAAGCCCCAATAGCTACAAGGAGGGTGGTTAATCTGCTATATCAAACTC
2178  CTTCCCTGAAACCAGCAAACACCGGGAAACATTTTGGCTCATTATAATCCGGTGAACAATGCAGTCAGGCCTGTTATAACCGCTGAGCAGCCACACTCG
2277  CACCTCCTGGGTGCTGTAGTCTGTGTTGGTACAGGCTTCTGCATGCCTGGTAAAGTCCAGCCAAGGCTGGTCAAGGCAACATCTCCACACAGAAAATCT
2376  GCACCAGTTATGTAAGCTAAAAAGCTGTGTGAACCCAGGTGTCCCGGAAAGGGGCTGCAGGACACAGCAAAATGCCAGCAGCGTGCCGGACCCCTCCCT
2475  TCCATCCTCCTCTCCAAAGAACAGAGGTCAGGAAAAACACTGGCTGGGACGCTAGAAGGGTCATGTGTTAACTATAATCACATTTATGGTTTGGAACCA
2574  TCACCCCAAGGTAAAAAAAAAAATAAAAGGTATGTTTGGCAAAATAAAATAAAGGTAATTAAAAACCTAAAAAAAAAAAAAAAAAAAA
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Figure 1